

What is claimed is:

**1. A dental implant registration apparatus comprising:**

**an impression tray having**

**a curved dissected frame;**

**a horizontal mesh;**

**a light conveying fiber assembly having a flexible distal end;**

**a light curable compound surrounding said flexible distal end;**

**a flexible coaxial tube containing said light curable compound and**

**said flexible distal end of said light conveying fiber assembly;**

**and**

**a proximal end of said light conveying fiber assembly having a**

**light entry port;**

**said flexible distal end of said light conveying fiber assembly**

**rendered inflexible by the hardening of said light curable compound**

**upon entry of curing light into said light entry port.**

**2. An apparatus as cited in Claim 1 comprising said fiber assembly**

**having a single optical fiber.**

**3. An apparatus as cited in Claim 1 comprising said fiber assembly**

**having several said optical fibers.**

- 4. An apparatus as cited in Claim 1 comprising said flexible distal end treated to disperse said curing light throughout said light curable compound.**
- 5. An apparatus as cited in Claim 1 comprising transparent particles surround said flexible distal end embedded in said light curable compound to disperse said curing light throughout said light curing compound.**
- 6. An apparatus as cited in Claim 1 comprising transparent spheres surround said flexible distal end embedded in said light curable compound to disperse said curing light throughout said light curing compound.**
- 7. An apparatus as cited in Claim 1 having said curved dissected frame comprising several dissected sections.**
- 8. An apparatus as cited in Claim 1 comprising said proximal end of said light conveying fiber assembly having a transparent, conic light funnel to direct said curing light into said light conveying fiber assembly.**

Respectfully submitted.

A handwritten signature in black ink, reading "E. L. Schacht". The signature is written in a cursive style with a large, stylized "E" and "L".

Ezra L. Schacht

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